AMENDMENTS TO THE CLAIMS, COMPLETE LISTING OF CLAIMS IN ASCENDING ORDER WITH STATUS INDICATOR

Please amend the following claims as indicated.

1. (Currently Amended) A method for producing a transgenic gramineae having iron deficiency resistance, comprising ~~a step of introducing a genome gene that codes an enzyme in biosynthetic pathway of mugineic acids~~ transforming a gramineae with a polynucleotide by using a vector pIG121Hm or pBIGRZ, wherein the polynucleotide is selected from the group consisting of

(A) a polynucleotide encoding an amino acid sequence of SEQ ID NO: 1,

(B) a polynucleotide encoding an amino acid sequence of SEQ ID NO: 2,

(C) a polynucleotide which encodes an enzyme exhibiting nicotianamine amino transferase (NAAT) activity and can hybridize with polynucleotide (A) or (B) under stringent conditions of a hybridization buffer comprising 6 x SSPE, 5 x Denhart solution, 0.1% SDS, and 100 mg/ml altered salmon spermary DNA, and a hybridization temperature of 65 degrees, and

(D) a polynucleotide comprising the base sequence of SEQ ID NO. 3.

2. (Canceled).

3. (Currently Amended) ~~A~~ The method in accordance with claim 1, wherein the polynucleotide further comprises a promoter, ~~used is~~ said promoter being CaMV35S.

4. (Canceled).

5. (Currently Amended) ~~A~~ The method in accordance with claim 1, wherein the ~~genome~~ polynucleotide is a barley ~~genome~~ *naat* gene.

6. (Canceled).

7. (Currently Amended) A transgenic gramineae with iron deficiency resistance ~~manufactured~~ produced through the method in accordance with any one of claims 1 to 3, ~~5~~ and ~~6~~ 5.

8. (Currently Amended) ~~The seeds~~ A seed of the transgenic gramineae in accordance with claim 7, wherein the seed comprises a polynucleotide selected from the group consisting of

(A) a polynucleotide encoding an amino acid sequence of SEQ ID NO: 1,

(B) a polynucleotide encoding an amino acid sequence of SEQ ID NO: 2,

(C) a polynucleotide which encodes an enzyme exhibiting nicotianamine amino transferase (NAAT) activity and can hybridize with polynucleotide (A) or (B) under stringent conditions of a hybridization buffer comprising 6 x SSPE, 5 x Denhart solution, 0.1% SDS, and 100 mg/ml altered salmon spermary DNA, and a hybridization temperature of 65 degrees, and

(D) a polynucleotide comprising the base sequence of SEQ ID NO. 3.

9. (Currently Amended) ~~The cells~~ A cell of the transgenic gramineae in accordance with claim 7, wherein the cell comprises a polynucleotide selected from the group consisting of

(A) a polynucleotide encoding an amino acid sequence of SEQ ID NO: 1,

(B) a polynucleotide encoding an amino acid sequence of SEQ ID NO: 2,

(C) a polynucleotide which encodes an enzyme exhibiting nicotianamine amino transferase (NAAT) activity and can hybridize with polynucleotide (A) or (B) under stringent conditions of a hybridization buffer comprising 6 x SSPE, 5 x Denhart solution, 0.1% SDS, and 100 mg/ml altered salmon spermary DNA, and a hybridization temperature of 65 degrees, and

(D) a polynucleotide comprising the base sequence of SEQ ID NO. 3.

10. (Currently Amended) A method of growing gramineae in an iron deficient field comprising planting the transgenic gramineae of ~~in accordance with~~ claim 7, or seeds thereof in said field under conditions to promote growth of said gramineae.

11. (Original) A crop of gramineae obtained through the method in accordance with claim 10.

12. (New) The transgenic gramineae in accordance with claim 7, wherein the polynucleotide is a barley *naat* gene.